

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Previously Present) A bipolar high frequency treatment tool for an endoscope, comprising:

a flexible insulating tube to be inserted through an accessory channel of the endoscope, said insulating tube having a pair of generally circular guide channels extending over the length thereof;

an end effector attached to a distal end of said insulating tube;

a pair of conductive wires, each wire passed through a different one of said pair of guide channels and coupled to said end effector to provide high frequency power to said end effector.

2. (Original) The bipolar high frequency treatment tool according to claim 1, wherein said insulating tube is made of poly-tetra-fluoro-ethylene.

3. (Original) The bipolar high frequency treatment tool according to claim 1, wherein said insulating tube is made of silicone resin.

4. (Original) The bipolar high frequency treatment tool according to claim 1, wherein said guide channels are arranged symmetric with respect to a longitudinal center axis of said insulating tube.

5. (Previously Presented) The bipolar high frequency treatment tool according to claim 1, further comprising an operating portion connected to a proximal end of said insulating tube, said operating portion advancing and retracting said pair of conductive wires within said guide channels to operate said end effector.

6. (Original) The bipolar high frequency treatment tool according to claim 5, wherein each of said guide channels has an inner diameter slightly larger than an outer diameter of said conductive wire.

7. (Previously Presented) The bipolar high frequency treatment tool according to claim 1, wherein said end effector includes a pair of electrodes pivotably supported at the distal end of said insulating tube so as to open and close like a pair of pincers, each of said pair of electrodes being coupled to a different one of said pair of conductive wires.

8. (Previously Presented) The bipolar high frequency treatment tool according to claim 7, further comprising;

a clevis attached to the distal end of said insulating tube;

a pair of pins supported by said clevis so as to be spaced apart from each other and cross a slit of said clevis,

wherein each of said pair of electrodes is pivotably mounted on a different one of said pair of pins.

9. (Original) The bipolar high frequency treatment tool according to claim 8, wherein said pair of pins are made of metal.

10. (Original) The bipolar high frequency treatment tool according to claim 8, further comprising an insulating spacer supported by said pair of pins between said pair of electrodes.

11. (Original) The bipolar high frequency treatment tool according to claim 1, wherein said pair of conductive wires are naked wires.

12. (New) A bipolar high frequency treatment tool for an endoscope, comprising:

a flexible insulating tube configured to be inserted through a channel of the endoscope, said insulating tube having a pair of guide channels extending over a length of said insulating tube;

an end effector attached to a distal end of said insulating tube;

a pair of conductive wires, each wire passed through a different one of said pair of guide channels and coupled to said end effector to provide high frequency power to said end effector.

13. (New) The bipolar high frequency treatment tool according to claim 12, wherein said insulating tube comprises poly-tetra-fluoro-ethylene.

14. (New) The bipolar high frequency treatment tool according to claim 12, wherein said insulating tube comprises silicone resin.

15. (New) The bipolar high frequency treatment tool according to claim 12, wherein said guide channels are symmetric with respect to a longitudinal center axis of said insulating tube.

16. (New) The bipolar high frequency treatment tool according to claim 12, further comprising an operator connected to a proximal end of said insulating tube, said operator configured to advance and retract said pair of conductive wires within said guide channels to operate said end effector.

17. (New) The bipolar high frequency treatment tool according to claim 12, wherein said end effector includes a pair of electrodes pivotably supported at the distal end of said insulating tube so as to open and close each of said pair of electrodes being coupled to a different one of said pair of conductive wires.

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18. (New) The bipolar high frequency treatment tool according to claim 12, wherein said pair of conductive wires are free from insulation within said pair of guide channels.